

11 September, 2003

Bruce Lewis Environmental Resources Management 2525 Natomas Park Drive, Suite 350 Sacramento, CA 95833

RE: Aerojet RI/FS Work Order: P308592

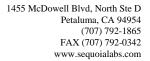
Enclosed are the results of analyses for samples received by the laboratory on 08/27/03 10:21. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angelee Cari Project Manager

CA ELAP Certificate #2374

Angelee Care





Environmental Resources Management 2525 Natomas Park Drive, Suite 350 Sacramento CA, 95833 Project: Aerojet RI/FS P308592
Project Number: N/A **Reported:**Project Manager: Bruce Lewis 09/11/03 11:04

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
10D-SNS10	P308592-01	Soil	08/27/03 08:45	08/27/03 10:21
10D-SNS28	P308592-02	Soil	08/27/03 08:55	08/27/03 10:21
10D-SNS36	P308592-03	Soil	08/27/03 09:20	08/27/03 10:21



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P308592 **Reported:** 09/11/03 11:04

Polychlorinated Biphenyls by EPA Method 8082 Sequoia Analytical - Petaluma

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10D-SNS10 (P308592-01) Soil	Sampled: 08/27/03 08:45	Received	1: 08/27/0	3 10:21					C-01, C-06
PCB-1016	ND	33	ug/kg	1	3090039	09/03/03	09/04/03	EPA 8082	
PCB-1221	ND	33	"	"	"	"	"	"	
PCB-1232	ND	33	"	"	"	"	"	"	
PCB-1242	ND	33	"	"	"	"	"	"	
PCB-1248	ND	33	"	"	"	"	"	"	
PCB-1254	ND	33	"	"	"	"	"	"	
PCB-1260	79	33	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		73 %	46-	115	"	"	"	"	
10D-SNS28 (P308592-02) Soil	Sampled: 08/27/03 08:55	Received	l: 08/27/0	3 10:21					C-01, C-06
PCB-1016	ND	33	ug/kg	1	3090039	09/03/03	09/04/03	EPA 8082	
PCB-1221	ND	33	"	"	"	"	"	"	
PCB-1232	ND	33	"	"	"	"	"	"	
PCB-1242	ND	33	"	"	"	"	"	"	
PCB-1248	ND	33	"	"	"	"	"	"	
PCB-1254	ND	33	"	"	"	"	"	"	
PCB-1260	160	33	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		70 %	46-	115	"	"	"	"	
10D-SNS36 (P308592-03) Soil	Sampled: 08/27/03 09:20	Received	1: 08/27/0	3 10:21					C-01, C-06
PCB-1016	ND	33	ug/kg	1	3090039	09/03/03	09/04/03	EPA 8082	
PCB-1221	ND	33	"	"	"	"	"	"	
PCB-1232	ND	33	"	"	"	"	"	"	
PCB-1242	ND	33	"	"	"	"	"	"	
PCB-1248	ND	33	"	"	"	"	"	"	
PCB-1254	ND	33	"	"	"	"	"	"	
PCB-1260	660	33	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		76 %	46-	115	"	"	"	"	



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RPD

%REC

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control Sequoia Analytical - Petaluma

Spike

Source

Reporting

	Reporting		Spike	Bource		/ORLC		KI D	
Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
			Prepared	: 09/03/03	Analyze	d: 09/04/03			C-01, C-06
ND	33	ug/kg							
ND	33	"							
ND	33	"							
ND	33	"							
ND	33	"							
ND	33	"							
ND	33	"							
59.8		"	66.7		90	46-115			
S1)			Prepared	: 09/03/03	Analyze	d: 09/04/03			C-01, C-06
319	33	ug/kg	333		96	57-115			
349	33	"	333		105	71-120			
67.1		"	66.7		101	46-115			
Source: P	308592-01		Prepared	: 09/03/03	Analyze	d: 09/04/03			C-01, C-06
285	33	ug/kg	333	ND	86	57-115			
375	33	"	333	79	89	71-120			
51.7		"	66.7		78	46-115			
Source: P	308592-01		Prepared	: 09/03/03	Analyze	d: 09/04/03			C-01, C-06
329	33	ug/kg	333	ND	99	57-115	14	35	
417	33	"	333	79	102	71-120	11	35	
55.8		"	66.7		84	46-115			
	ND ND ND ND ND ND S9.8 S1) 319 349 67.1 Source: P 285 375 51.7 Source: P 329 417	ND 33 Sp.8 S1) Source: P308592-01 285 33 375 33 S1.7 Source: P308592-01 329 33 417 33	ND 33 ug/kg ND 33 " Source: P308592-01 285 33 ug/kg 375 33 " Source: P308592-01 329 33 ug/kg 417 33 "	Result Limit Units Level	Result Limit Units Level Result	ND 33 ug/kg ND 33 " S9.8 " 66.7 90 90/03/03 Analyze S1) Prepared: 09/03/03 Analyze C7.1 C7.1	Prepared: 09/03/03 Analyzed: 09/04/03	ND 33 ug/kg 333 ND 86 57-115 375 33 ug/kg 333 ND 86 57-115 375 333 ug/kg 333 ND 86 57-115 375 333 ug/kg 333 ND 99 57-115 14 417 33 ug/kg 333 ND 99 57-115 14 417 417 33 ug/kg 333 ND 99 57-115 14 417 33 ug/kg 333 ND 99 57-115 14 417 33 ug/kg 333 ND 99 57-115 14 417 33 ug/kg 333 ND 417	Prepared: 09/03/03 Analyzed: 09/04/03





Environmental Resources Management Project: Aerojet RI/FS P308592
2525 Natomas Park Drive, Suite 350 Project Number: N/A Reported:
Sacramento CA, 95833 Project Manager: Bruce Lewis 09/11/03 11:04

Notes and Definitions

C-01 To reduce matrix interference, the sample extract has undergone sulfuric acid clean-up, method 3665, which is specific to

hydrocarbon contamination.

C-06 To reduce matrix interference, the sample extract has undergone TBA (sulfur) clean-up, method 3660B.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

7.67.35 v. 4			R: PINK	- SAMPLE	3RD COPY - SAMPLER: PINK	2ND COPY - LABORATORY: YELLOW	LABORATOF	ND COPY -		RATIONS: W	ORIGINAL - ENVIRONMENTAL OPERATIONS: WHITE	GINAL - ENVIR	9 [
im4, cat	non-in fenhuma, on	ANTINE	7-4	SEQUO	4	ANTYZO	そくさ	A)	d	そん	SAMPLES	COMMENTS:	8
SEQVOIA ANTIYTICAL SACTO, CX	8-27-03/600	Y: (SIGNATURE)	ORY BY: (Y LABORAT	RECEIVED BY LABORATORY B	8	S - 2				(SANATONE)	HELINGOISHED BY: (SKAVA I OHR)	T.
HAW BELVEREY	12.22 L22.						8/2-103		3	spect 1	Magae	Monica Gree	
WETUON OF CUIDIFENT.	IN	TOOK!		S C C C C	MONCA G	13 1021	8/27/0			5	N NY	NO HIGHED BY:	R)
TOTAL NO. O	Cand 1344 8/ 102		uge)	BY: (SIGNAT	RECEIVED BY: (SIGNATURE)		MIL/J		Opportunities (No.) in		SIGNATURE)	RELINDUISHED BY: (SIGNATURE)	Æ
								ŕ			// . A	TOTALS	77
			************				/	/				11210	7.
E 3.9 °c	TALIVIAMEL ETLES						\	/				121 P	Ι.
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2	+				1	0920 1	12003 c	08 hz	0	36	100-5NS	1121 c	<u> </u>
-2	_					1 558	11036	08/27/	0	28	102-5NS	121 B	73
P308592-1	×.				135 /	1845 B&3	1103 c	08/27	0	10	100-5NS10	1121 A	0
REMARKS	LABO	MET	VOLA BNA	SOIL	TYPE OF CONTAINER #	TIME CONT	₹"	DATE	DEPTH (FT.)	Ŏ.	FIELD SAMPLE NO.	COC SAMPLE ID	85
	PCE	ALS <i>EPA</i> CHLORATE	ATILE ORGAN	TYPE (US	SAMPLE				M	8	SMATURE)	SAMPLERS (SIGNATURE)	92 \$
		6010 EDL-S	CONTRACTOR OF THE PARTY AND A	CS CODI	CONTAIN				į			2	I
		W-006	A 8240	≣)	IERS				Ş	ALIGER HOLE NO.		SOURCE SITE NO:	s]
	SAMPLE ANALYSES	REQUESTED SA	1 1						R NO:	WORK ORDER NO:		E.T.R. NO:	iui
1121	Ω	Lecora	Maria	0		Chain of Custody	<u>0</u>						1.
								2			JENCORP		

SEQUQIA ANALYTICAL SAMPLE RECEIPT LOG

	rd of resolution.	er and attach reco	*If Circled, contact Project Manager and attach, record of resolution.	*If Circled, o	Ň	
					/-2°C)	quiring thermal pres.:4+/-2°C)
						receptance range for samples
-					3.5	Temp Rec. at Lab:
V	<i>A</i>				XGs/No*	HSCC);
						. Proper Preservatives
					XCs / No*	hold time:
The second secon		Cu			=). Sample received within
				- Chicago and the control of the con	(Yes) No*	labels agree?
		1		Absolutions)	reports and sample
		/				custody reports, traffic
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		//		And the state of t	teaking*	AND THE RESIDENCE OF THE PROPERTY OF THE PROPE
		/			(Intact / Broken* /	3. Sample Condition:
		>			on Chain-of-Custody	And the state of t
Canada Ca			>	The state of the s	(Listed / Not Listed	7. Sample IDs:
		#			(Present / Absent	5. Sample Labels:
	1					5. Alabill #:
				And the state of t	Present / Absen)	
				A A A A A A A A A A A A A A A A A A A	Airbill / Sticker	. Airbill:
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and the second s		AND THE PROPERTY OF THE PROPER)	. Traffic Reports or
	+	1	536	The state of the s	(Present)Åbsent*	. Chain-of-Custody
			S28		Intact / Broken*	
<u> </u>	7 8 27 53	me	100-5NB10		Present./ Kbsent	. Custody Scal(s)
ED CONDITIONS	MATIUX SANULED	DESCRIPTION	CLIENTID	SAMPLE# #)	
			1	LAB	CIRCLE THE APPROPRIATE RESPONSE	CIRCLE THE APPR
regulatory putposes: VES/NO	regulator					
	(Wastewater) for	S 0 668	LOG IN DATE:		508029	WORKORDER:
regulatory purposes: YES/NO	regulator	1600	TIME Received at Lab:		180	REC. BY (PRINT)
(Drinking water) for	(Drinking	82703	DATE Received at Lab: 8	g gar		CLENT NAME:
				O CO YOUR		

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